## CLAIMS

- A liquid discharge device having a liquid discharge head in which a plurality of liquid discharge portions including
- a liquid chamber for storing a liquid to be discharged,

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flying force supplying means disposed within said liquid chamber, for providing the liquid within said liquid chamber with flying force, and

a nozzle formation member forming a nozzle for discharging the liquid stored in said liquid chamber by actions of said flying force supplying means,

are arrayed on a substrate, said liquid discharge device comprising:

individual channels provided for each of said liquid discharge portions so as to communicate with said liquid chamber and supply liquid to within said liquid chamber; and

20 individual channels so as to communicate with each of said plurality of individual channels, for supplying liquid to said plurality of individual channels;

a common channel provided to said plurality of

said common channel including

a first common channel provided on a liquid supply
25 source side, parallel to arrayed rows of said nozzles, and

parallel to the discharge direction of the liquid, and
a second common channel provided adjacent to and
communicating with said individual channels, and having
liquid channel resistance greater than that of said first
common channel.

2. The liquid discharge device according to Claim 1, wherein the channel cross-sectional area of said second common channel perpendicular to the supply direction of said liquid is formed smaller than the channel cross-sectional area of said first common channel perpendicular to the supply direction of said liquid, thereby setting the channel resistance of said second common channel greater than the channel resistance of said first common channel.

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- 3. The liquid discharge device according to Claim 1, wherein at least a part of said second common channel is configured of at least a part of said liquid discharge head.
- 4. The liquid discharge device according to Claim 1, wherein said second common channel is formed such that the channel resistance as to the movement direction of liquid to the plurality of individual channels with which said second common channel communicates is generally constant.

- 5. The liquid discharge device according to Claim 1, wherein a plurality of said liquid discharge heads are provided, and said second common channels of said plurality of said liquid discharge heads are formed so as to have generally the same channel resistance.
- 6. The liquid discharge device according to Claim 1, wherein said second common channel is formed so as to have generally the same channel direction as said individual 10 channels.
  - 7. The liquid discharge device according to Claim 1, wherein at least a part of said second common channel is disposed on a face of said substrate where said individual channels are provided.

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- 8. The liquid discharge device according to Claim 1, wherein at least a part of said second common channel is disposed on a face of said substrate where said individual channels are provided, and further formed of the same material as the material configuring said liquid discharge portions or said individual channels.
- 9. The liquid discharge device according to Claim 1,25 wherein said substrate has a face perpendicular to or

generally perpendicular to a face where said individual channels are provided, with at least a part of said second common channel using said perpendicular or generally perpendicular face as one wall face of said second common channel.

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10. The liquid discharge device according to Claim 1, wherein a part of said second common channel is disposed on a face of said substrate where said individual channels are provided, and wherein said substrate has a face perpendicular to or generally perpendicular to a face where said individual channels are provided, with at least a part of said second common channel using said perpendicular or generally perpendicular face as one wall face of said second common channel.